

INCH-POUND

MIL-DTL-21604/2B
27 June 2003
SUPERSEDING
MIL-S-21604/2A(SH)
30 March 1992

DETAIL SPECIFICATION SHEET

SWITCH, ROTARY, MULTIPOLE AND SELECTOR, 5 AMPERE, STYLE JK

This specification is approved for use by the Navy Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-DTL-21604.

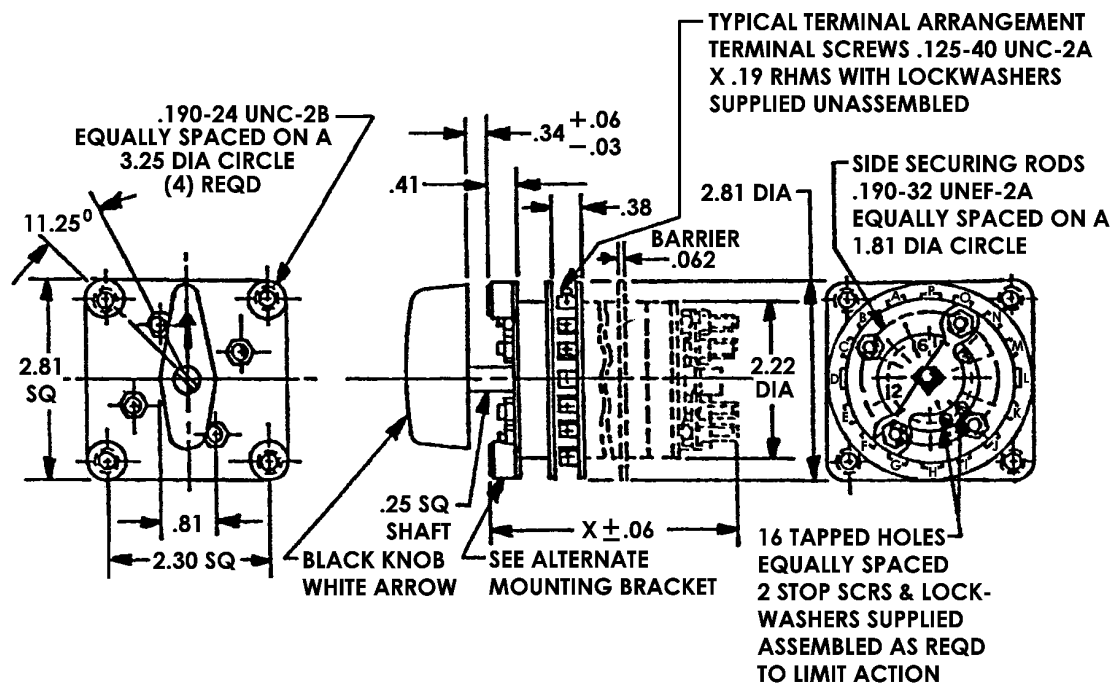


FIGURE 1. Style JK switch.

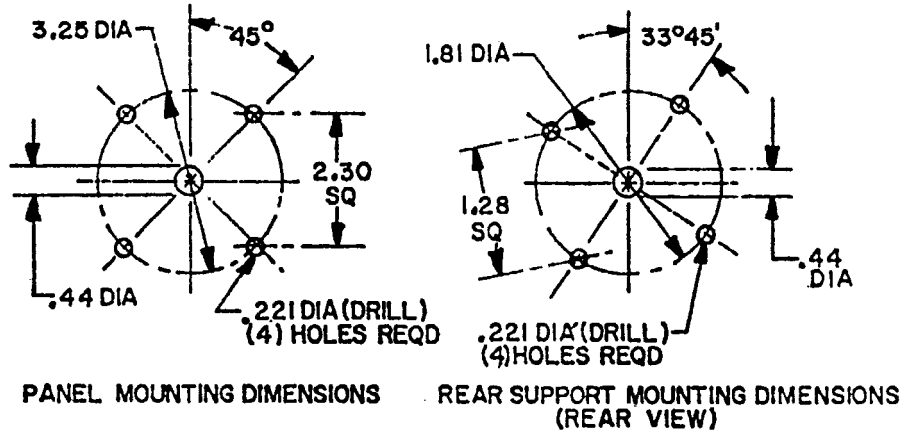
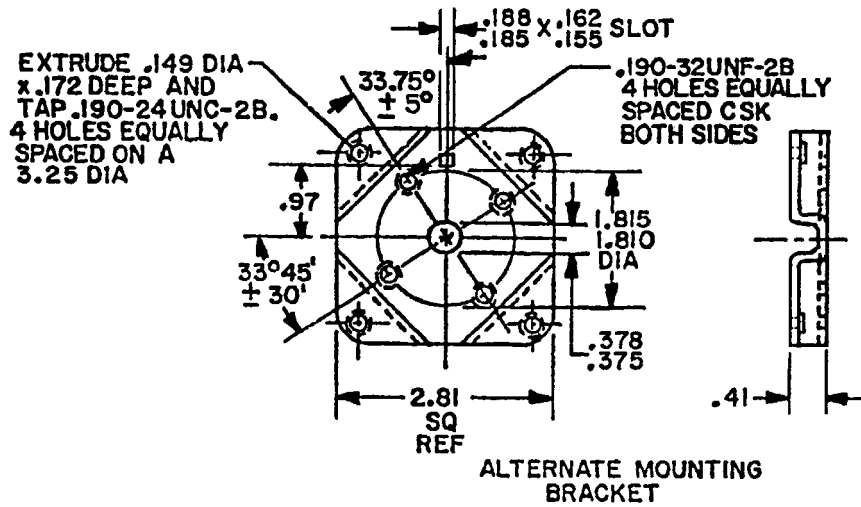


FIGURE 1. Style JK switch - Continued.

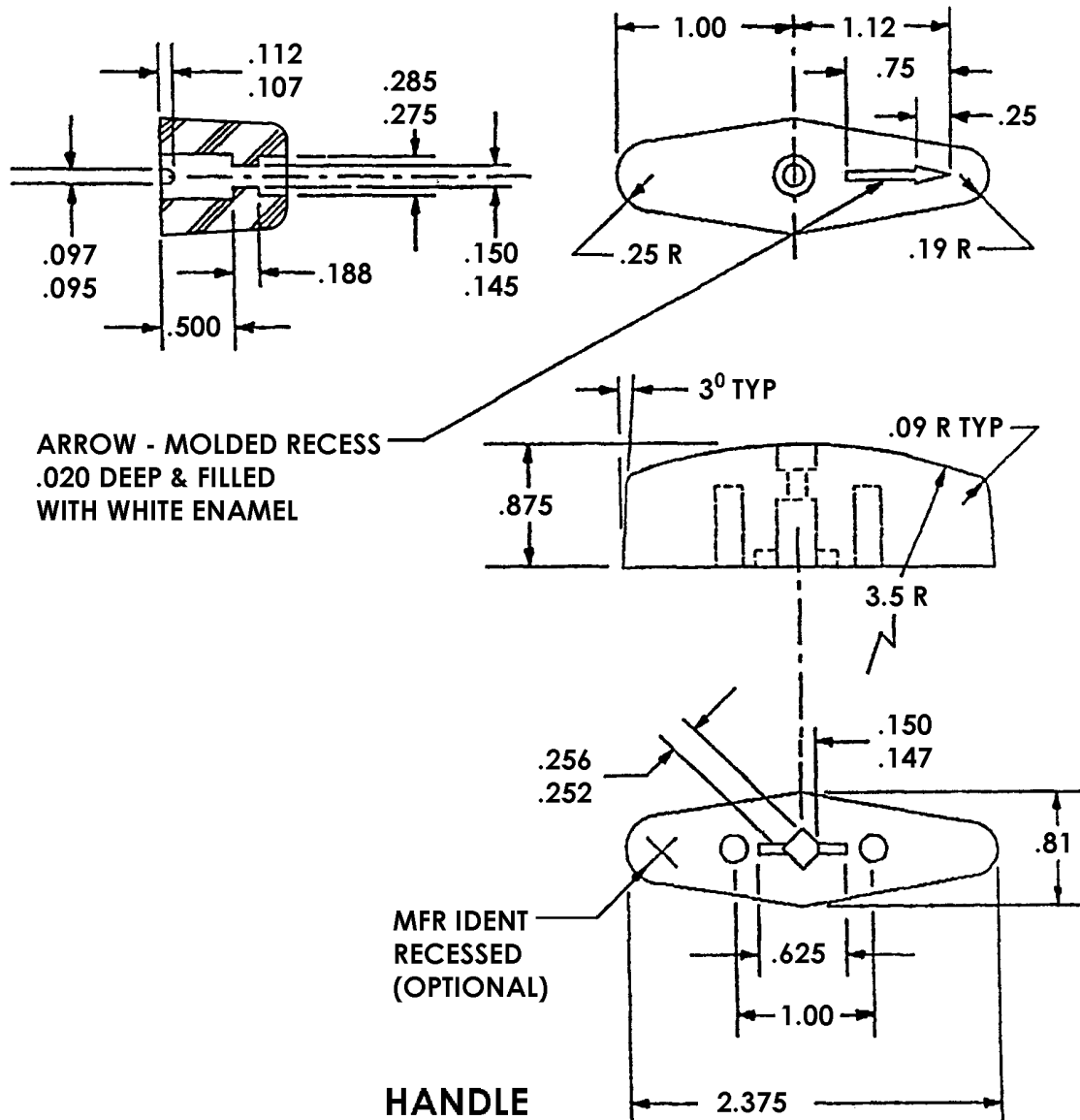
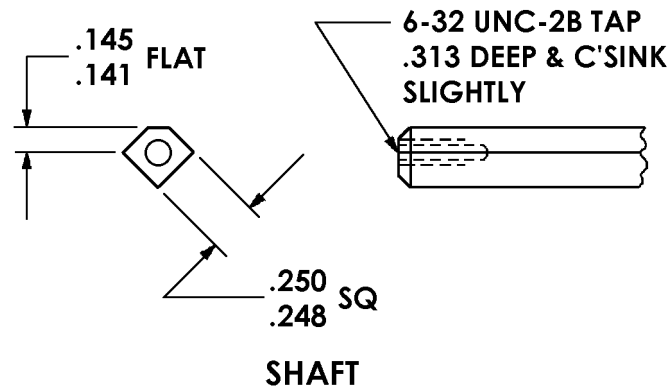


FIGURE 1. Style JK switch - Continued.



Inch	mm	Inch	mm	Inch	mm	Inch	mm
.03	0.76	.150	3.81	.252	6.40	.75	19.1
.06	1.52	.155	3.94	.256	6.50	.81	20.6
.062	1.57	.162	4.11	.275	6.99	.875	22.23
.09	2.29	.172	4.37	.285	7.25	.97	24.64
.095	2.41	.181	4.60	.313	7.95	1.00	25.4
.097	2.46	.185	4.70	.34	8.64	1.810	45.97
.107	2.72	.188	4.77	.375	9.52	1.815	46.10
.112	2.84	.19	4.8	.378	9.60	2.22	56.39
.125	3.18	.190	4.83	.38	9.7	2.30	58.42
.141	3.58	.221	5.61	.41	10.4	2.375	60.33
.145	3.66	.248	6.30	.44	11.2	2.81	71.37
.147	3.68	.250	6.35	.500	12.70	3.25	82.55
.149	3.73	.25	6.4	.625	15.88	3.5	88.9

NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the nearest 0.01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. Unless otherwise specified, tolerances are $\pm .016$ (0.41 mm) for two-place decimals and $\pm .005$ (0.13 mm) for three-place decimals.

FIGURE 1. Style JK switch - Continued.

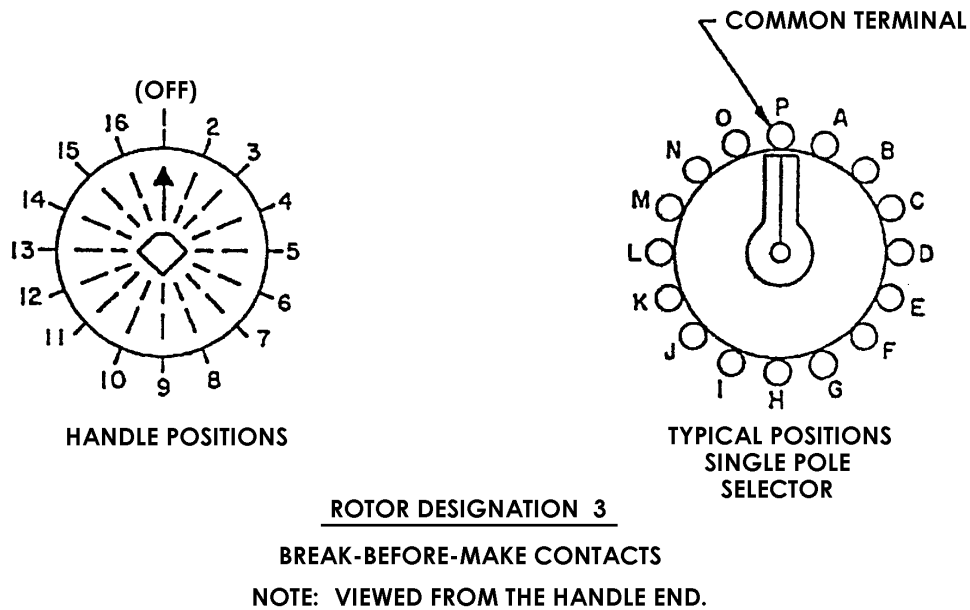


FIGURE 2. Rotor contact configuration and handle positions.

REQUIREMENTS:

Dimensions and configuration: See figure 1, figure 2, and table I.

Angle of throw: 22.5 (degrees).

Switching action: Detent.

Electrical loads: AC current: 5 ampere.

Voltage: 125 volts (at 60 and 400 Hz, 0.80 inductive power factor).

Temperature rise: 30°C maximum.

Contact material:

Rotor: Silver-overlay phosphor bronze.

Stator: Silver-overlay copper.

Barriers: See figure 1.

Terminal marking: See figure 1 and figure 2.

Stop marking: See figure 1.

Qualification samples: See table II.

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TABLE I. Type designation and switching characteristics.

Type designation		Style	Number of sections	Dimension "X" <u>2/</u> ± .062 inch (1.57 mm)	Approximate weight (ounces)	Maximum rotational torque (inch-pounds)
Component	Rotor designation <u>1/</u>					
S	3	JK	3	3.09 (78.49)	22	15
S	3	JK	5	3.81 (96.82)	28	20
S	3	JK	10	6.34 (161.14)	47	35
S	3	JK	15	8.50 (215.90)	56	40

1/ For rotor designation, see figure 2.

2/ Dimensions are in inches. Metric equivalents (to the nearest 0.01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.

TABLE II. Qualification test samples.

Sample switch	Test number <u>1/</u>	Sample switch	Test number
S3JK15	1	S3JK15	3
S3JK15	2	S3JK15	4
S3JK15	5	S3JK15	6

1/ Test numbers in accordance with table II of MIL-DTL-21604.

Custodians:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

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